

1	AGCAGACAGAGGACTCTCATTAAGGAAG	TGCTCTGTCCTGACCTACAAGATGCCA	AGAGAAGATGCTCAGCTTCATCTATGTTAC	CCCAAGAGGGGACGGCCACTCTTACACC	119
120	ThraLeuGluAlaAlaGlyLleGlyLle	LeuThrValLleLeuGluValLeuLeuLeu	ATCGCTGTTGCTTATTTCTAGACGAAAT	ProLybLybGlyHleGlyHleSerThr	22
23	ACGGCTGACAGAGCGCTGGATCGGCATC	CTGACAGTGAATCTGGAGTCTTACTGCTC	ATCGCTGTTGCTTATTTCTAGACGAAAT	GGATACAGAGCCTTTCATGATATAAGTCTT	239
240	CATGTTGGCACTCAATGTGCTTAAACAGA	AGATGCCACACAGAGGCTTTCATCATCGG	GACAGCAAGTGTCTCTTCAAGAGAAAAC	GlyTyrArgAlaLeuMetLapLysSerLeu	62
63	HleValGlyThrGlnCysAlaLeuThrArg	ArgCysProGlnGluGlyPheLapHleArg	AspSerLysValSerLeuGlnGluLysAsn	CysGluProValValProAsnAlaProPro	359
360	GCTTATGAGAACTCTCTGCAGAACAGTCA	GCACCACTTATTCACCTTAAGAGCCAGCG	AGACACCTGAGACATGCTGMAATTATTCT	CTCACACTTTTCTGCTTGAATTTAATACAGAC	102
103	AlaTyrGluLysLeuSerAlaGluGlnSer	ProProProTyrSerPro			479
480	ATCTAATGTTCTCTTGGAAATGCTTAGG	AAATATGCAAGCCATCTCTAATAATAAGTC	AGTGTAAATTTTATAGTCCGCTAGCA	GTACTAATCATGTGAGGAAATGATGAGAAA	599
600	TATTAAATGGGAAACTCCATCAATNAAT	GTTCGAATGATGATATCTCTGCTCCAGA	GGTAATGTAGTAATCAATGCTGTTATTT	TCTGAGAGACAGAAATTCAGTGGGTATTCT	719
720	GGGCCATCCAAATTTCTTTACTTGAAT	TTGGCTAATAACAACTAGTCAGGTTTTCG	AACCTTGACCGACATGAACTGTACACAGAA	TTGTTCCAGTACTATGAGTGTCTCACAAAG	839
840	GATACCTTTACAGGTTTAAGACAAAGGTTG	ACTGGCTATTATCTGATCAAGACATGT	CAGCAATGTCTCTTTGTGCTCTAATAATCT	ATTATACATACATAATATATTTGTAAGATC	959
960	CTATAGCTCTTTTCTTTGAGATGAGTTT	CGCTTTTGTGCTCCAGGCTGAGTGCATG	GGCGATCTTGGCTCACCATAACCTCGCC	TCCAGGTTTCAAGCAATTTCTCGCTTAC	1079
1080	CCTCTAGTACGTGGATTTACAGGCTGTC	GCCACTATGCTGCTGACTAATTTGTAGTTT	GGATCTATATCTTAGGTAAAGACATATAC	GGCTGCTCTCAAACTCTGACCTCAGGTGA	1119
1200	TCTGCCCGCTCAGCTCCCAAGTGTGTC	AAATTACAGGCTGAGCCACCGCTGCTGCT	GGATCTATATCTTAGGTAAAGACATATAC	GCAGTCTAATTTACATTTCTCAAGGCTC	1139
1320	AATGCTATTCTAATGACAAAGTATTTT	CTACTAAACCAAGAAATGGTAGAAGGATTT	AAATAAGTAAAGCTACTATGTACTGCTCT	AGTCTGATGCTGCTGTGTACTGCTTAAATG	1459
1440	TACCTATGCAATTTAGCTCTCTTGGGTTT	CCAAATCCCTCTCACAGAAATGTGCAGAA	AAATCATAAAGGATCAGAGATTTCTGAAAA	AAAAAAAAAAAAAAAAAAAAAAAAAAAAA	1559

FIGURE 1

662720 6642330

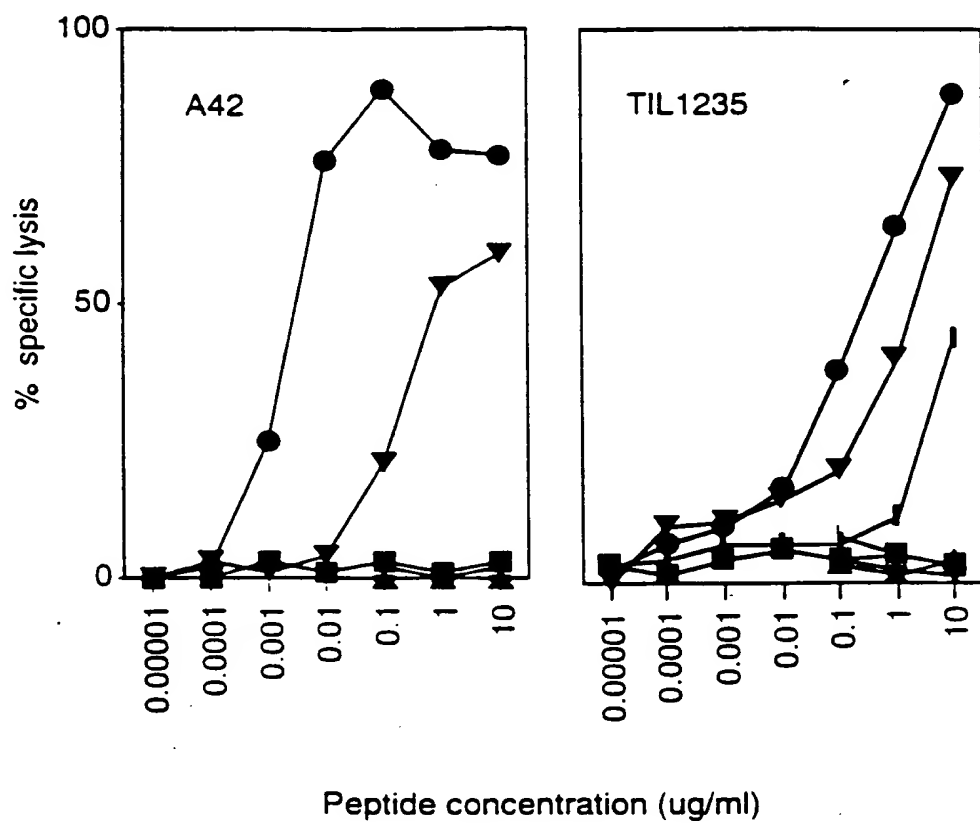


FIGURE 2

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FIGURE 3A

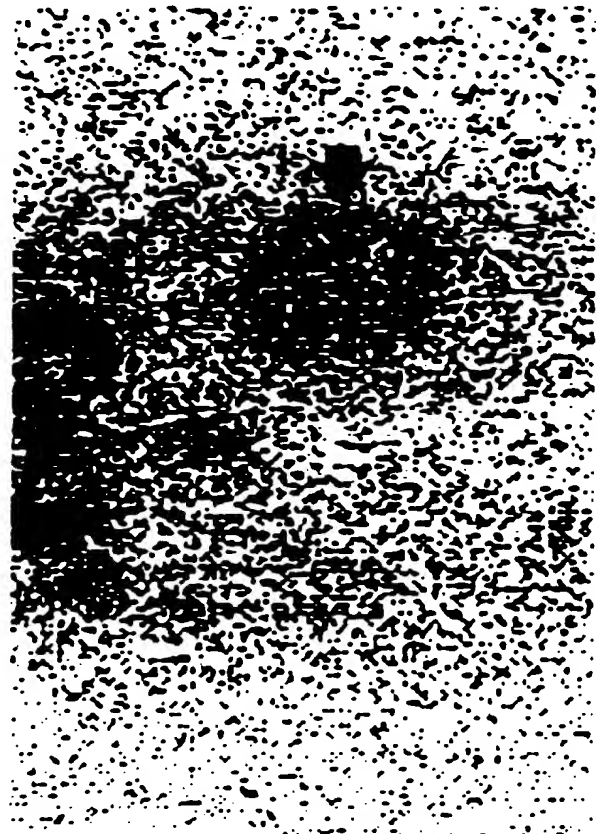
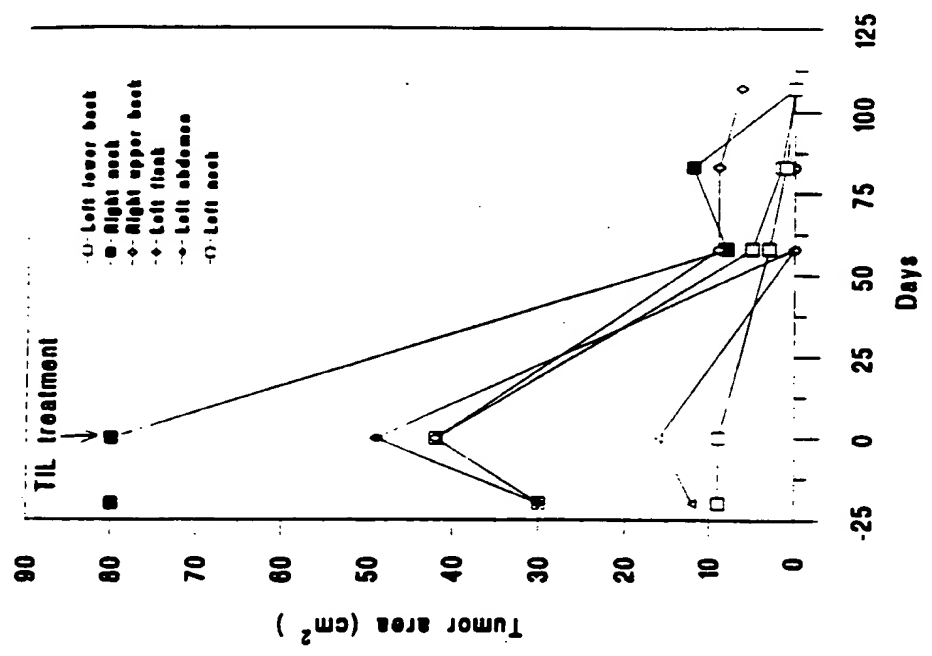


FIGURE 3B



GTCTGACGGCC ATTACCAATC GCGACCGGGA AGAACACAAT	40
GGATCTGGTG CTAAAAAGAT GCCTTCTTCA TTTGGCTGTG	80
ATAGGTGCTT TGCTGGCTGT GGGGGCTACA AAAGTACCCA	120
GAAACCAGGA CTGGCTTGGT GTCTCAAGGC AACTCAGAAC	160
CAAAGCCTGG AACAGGCAGC TGTATCCAGA GTGGACAGAA	200
GCCCAGAGAC TTGACTGCTG GAGAGGTGGT CAAGTGTCCC	240
TCAAGGTCAG TAATGATGGG CCTACACTGA TTGGTGCAAA	280
TGCCTCCTTC TCTATTGCCT TGAACCTCCC TGGAAGCCAA	320
AAGGTATTGC CAGATGGGCA GGTTATCTGG GTCAACAATA	360
CCATCATCAA TGGGAGCCAG GTGTGGGGAG GACAGCCAGT	400
GTATCCCCAG GAAACTGACG ATGCCTGCAT CTTCCCTGAT	440
GGTGGACCTT GCCCATCTGG CTCTTGGTCT CAGAAGAGAA	480
GCTTTGTTTA TGTCTGGAAG ACCTGGGGCC AATACTGGCA	520
ATTTCTAGGG GGCCCAGTGT CTGGGCTGAG CATTGGGACA	560
GGCAGGGCAA TGCTGGGCAC ACACACCATG GAAGTGACTG	600
TCTACCATCG CCGGGGATCC CGGAGCTATG TGCCTCTTGC	640
TCATTCCAGC TCAGCCTTCA CCATTACTGA CCAGGTGCCT	680
TTCTCCGTGA GCGTGTCCCA GTTGCGGGCC TTGGATGGAG	720
GGAACAAGCA CTTCTGAGA AATCAGCCTC TGACCTTTGC	760
CCTCCAGCTC CATGACCCCA GTGGCTATCT GGCTGAAGCT	800
GACCTCTCCT ACACCTGGGA CTTTGGAGAC AGTAGTGGAA	840
CCCTGATCTC TCGGGCACTT GTGGTCACTC ATACTTACCT	880
GGAGCCTGGC CCAGTCACTG CCCAGGTGGT CCTGCAGGCT	920
GCCATTCTC TCACCTCCTG TGGCTCCTCC CCAGTTCCAG	960
GCACCACAGA TGGGCACAGG CCAACTGCAG AGGCCCTTAA	1000
CACCACAGCT GGCCAAGTGC CTACTIONAGAG AGTTGTGGGT	1040
ACTACACCTG GTCAGGCGCC AACTGCAGAG CCCTCTGGAA	1080
CCACATCTGT GCAGGTGCCA ACCACTGAAG TCATAAGCAC	1120

TGCACCTGTG CAGATGCCAA CTGCAGAGAG CACAGGTATG	1160
ACACCTGAGA AGGTGCCAGT TTCAGAGGTC ATGGGTACCA	1200
CACTGGCAGA GATGTCAACT CCAGAGGCTA CAGGTATGAC	1240
ACCTGCAGAG GTATCAATTG TGGTGCTTTC TGGAACCACA	1280
GCTGCACAGG TAACAACTAC AGAGTGGGTG GAGACCACAG	1320
CTAGAGAGCT ACCTATCCCT GAGCCTGAAG GTCCAGATGC	1360
CAGCTCAATC ATGTCTACGG AAAGTATTAC AGGTTCCCTG	1400
GGCCCCCTGC TGGATGGTAC AGCCACCTTA AGGCTGGTGA	1440
AGAGACAAGT CCCCCTGGAT TGTGTTCTGT ATCGATATGG	1480
TTCCTTTTCC GTCACCCTGG ACATTGTCCA GGGTATTGAA	1520
AGTGCCGAGA TCCTGCAGGC TGTGCCGTCC GGTGAGGGGG	1560
ATGCATTTGA GCTGACTGTG TCCTGCCAAG GCGGGCTGCC	1600
CAAGGAAGCC TGCATGGAGA TCTCATCGCC AGGGTGCCAG	1640
CCCCCTGCCC AGCGGCTGTG CCAGCCTGTG CTACCCAGCC	1680
CAGCCTGCCA GCTGGTTCTG CACCAGATAC TGAAGGGTGG	1720
CTCGGGGACA TACTGCCTCA ATGTGTCTCT GGCTGATACC	1760
AACAGCCTGG CAGTGGTCAG CACCCAGCTT ATCATGCCTG	1800
GTCAAGAAGC AGGCCTTGGG CAGGTTCCGC TGATCGTGGG	1840
CATCTTGCTG GTGTTGATGG CTGTGGTCCT TGCATCTCTG	1880
ATATATAGGC GCAGACTTAT GAAGCAAGAC TTCTCCGTAC	1920
CCCAGTTGCC ACATAGCAGC AGTCACTGGC TCGTCTACC	1960
CCGCATCTTC TGCTCTTGTC CCATTGGTGA GAACAGCCCC	2000
CTCCTCAGTG GGCAGCAGGT CTGAGTACTC TCATATGATG	2040
CTGTGATTTT CCTGGAGTTG ACAGAAACAC CTATATTTCC	2080
CCCAGTCTTC CCTGGGAGAC TACTATTAAC TGAAATAAAT	2120
ACTCAGAGCC TGAAAAAAAA TAAAAAAAAA AAAAAAAAAA	2160
AAAAAAAAAA AA	2172

FIGURE 4 (continued)

FIGURE 5A

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1 MDLVLRCLL HLAIVIGALLA VGATKVPRNQ DWLGVSRLR TKAWNROLYP
51 EWTEAQRLLC WRGGQVSLKV SNDGPTLIGA NASFSIALNF PGSQKVLDPG
101 QVIWVNNITII NGSQVWGGQP VYPQETDDAC IFPDGGPCPS GSWSQKRSFV
151 YVWKTWGQYW QFLGGPVSGL SIGTGRAMLG THTMEVTVYH RRGSRSYVPL
201 AHSSSAFTIT DQVPFSVSVS QLRALDGGNK HFLRNOPLTF ALQLHDPSGY
251 LAEADLSYTW DFGDSSGTLI SRALVVTHY LEPGPVTAQV VLQAAIPLTS
301 CGSSPVPGETT DGHRTAEAP NTTAGQVPTT EVVGTTPGOA PTAEPSGTTS
351 VQVPTTEVIS TAPVQMPAE STGMTPEKVP VSEVMGTTLA EMSTPEATGM
401 TPAEVSIVVL SGTAAQVTT TEWVETTARE LPIPEPEGPD ASSIMSTESI
451 TGSGLPLLDG TATLRLVKRQ VPLDCVLYRY GSFSVTLDIV OGIESAEILQ
501 AVPSGEGDAF ELTVSCQGL PKEACMEISS PGCQPPAQR CQVLPSPAC
551 QLVLHQILKG GSGTYCLNVS LADTNSLAVV STQLIMPGQE AGLGQVPLIV
601 GILLVLMVV LASLIYRRRL MKQDFSVPQL PHSSSHWLRL PRIFCSCPIG
651 ENSPLLSGQQ V

```

FIGURE 5B

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Pme117 M-----V-----Q-----P-----VPGILLT-----LLSGQQV
ME20 M-----V-----Q-----L-----
gp100 M-----V-----Q-----L-----
cDNA25FL M-----F-----Q-----L-----
cDNA25TR M-----F-----Q-----L-----PPQWAAGLSTLI
1 162 236 274 588 649

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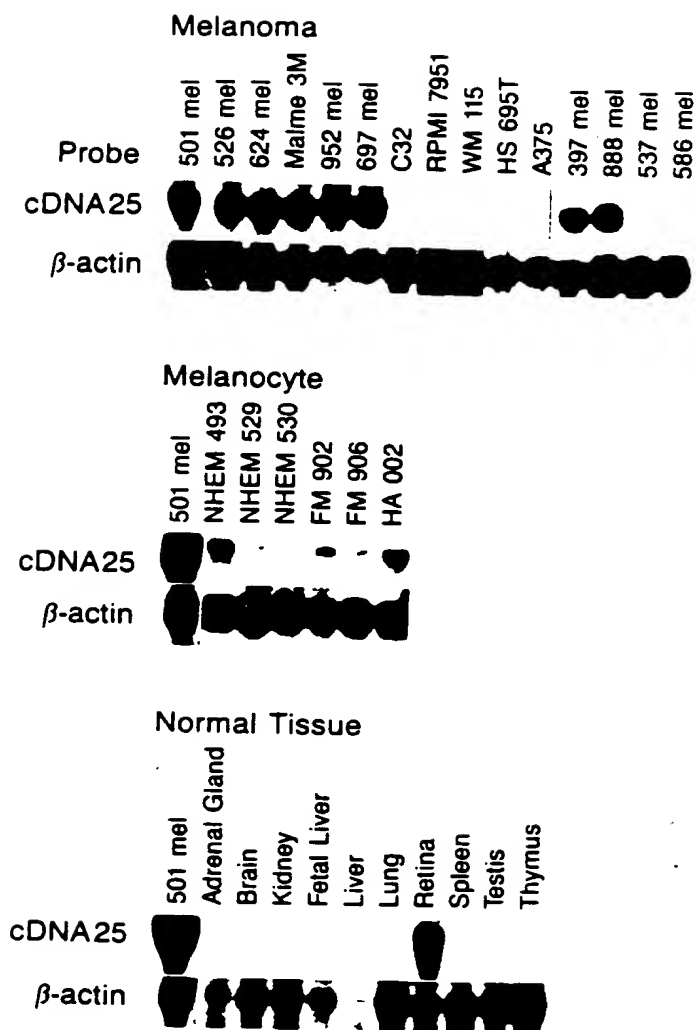


FIGURE 6